

1) Identification and authentication process without specific reader of a three-dimensional identifier constituted of a random distribution of heterogeneities rendering the latter difficult or impossible to reproduce and attached to an object or living being, characterized by the fact that the authentication is carried out by human  
5 sensory verification of the three-dimensional appearance of the aforementioned identifier and that the identification or its reading is carried out by visual comparison between the two-dimensional image (2) of the identifier stored in a database (4) accessible by a network (5) and the identifier himself.

2) Identification and authentication process without specific reader of a  
10 three-dimensional identifier constituted by a random distribution of heterogeneities rendering the latter difficult or impossible to reproduce and attached to an object or living being based upon Claim 1, characterized by the fact that it uses stereoscopic vision (A) of the human eye (12) to verify the authenticity of the aforementioned three-dimensional identifier (1) whose particularity is in presenting its distribution in a  
15 random manner within a transparent material and that the identification or reading is carried out by visual comparison (B) of a two-dimensional representation image (2) of the identifier (1) stored in a database (4) accessible by a network (5), and the identifier himself (1).

3) Identification and authentication process without specific reader of a  
20 three-dimensional identifier constituted by a random distribution of heterogeneities rendering the latter difficult or impossible to reproduce and attached to an object or living being based upon Claim 1, characterized by the fact that it uses tactile sensation of a finger (8) to verify the authenticity of the aforementioned three-dimensional identifier (9) whose particularity is in presenting surface ridges placed in relief and that  
25 the identification or reading is carried out by visual comparison (B) of a two-dimensional representation image (2) of the identifier (1) stored in a database (4) accessible by a network (5), and the identifier himself (9).

4) 3) Identification and authentication process without specific reader of a three-dimensional identifier constituted by a random distribution of heterogeneities  
30 rendering the latter difficult or impossible to reproduce and attached to an object or living being based upon Claim 1, characterized by the fact that it uses characterized by the fact that it uses stereoscopic vision (A) of the human eye (12) to verify the

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authenticity of the aforementioned three-dimensional identifier(10) whose particularity is in presenting cavities prepared from the surface of the aforementioned identifier, and that the identification or reading is carried out by visual comparison (B) of a two-dimensional representation image (2) of the identifier (1) stored in the database (4) accessible by a network (5), and the identifier himself (10).

5           5) Identification and authentication process without specific reader of a three-dimensional identifier constituted by a random distribution of heterogeneities rendering the latter difficult or impossible to reproduce and attached to an object or living being based upon Claim 1, characterized by the fact that it uses tactile effects to appreciate zones in relief and stereoscopic vision (A) of the human eye (12) to appreciate hollow zones in order to verify the authenticity of the mixed identifier (11) whose particularity is in presenting zones in hollow and relief and whose identification or reading is carried out by visual comparison (B) of a two-dimensional representation image (2) of the identifier (1) stored in a database (4) accessible by a network (5), and  
15   the identifier himself (11).

          6) Identification and authentication process without specific reader of a three-dimensional identifier constituted by a random distribution of heterogeneities rendering the latter difficult or impossible to reproduce and attached to an object or living being based upon Claims 2 to 5, characterized by the fact that to facilitate the  
20   identification or visual reading, one reproduces, at an appropriate scale, a similar image (3) to the two-dimensional image (2) of the identifier (1) (9) (10) (11), the aforementioned image (2) is stored in the database (4), and that the similar image (3) is physically associated with the three-dimensional image (1) (9) (10) (11) in order to carry out a first visual comparison (C) between the aforementioned volumic identifier (1) (9) (10) (11) and the similar image (3) and a second visual comparison (D) between the  
25   image (2) in the version stored in the database (4) and its similar representation (3) associated with the volumic identifier (1) (9) (10) (11).

          7) Identification and authentication process without specific reader of a three-dimensional identifier constituted by a random distribution of heterogeneities rendering the latter difficult or impossible to reproduce and attached to an object or  
30   living being based upon Claim 6, characterized by the fact that it uses a call number and

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possibly a password associated with the identifier in order to facilitate and secure access to the database (4).

8) Identification and authentication process without specific reader of a three-dimensional identifier constituted by a random distribution of heterogeneities rendering the latter difficult or impossible to reproduce and attached to an object or a living being based upon Claim 1, characterized by the fact that the network (5) is a telecommunications network.

9) Identification and authentication process without specific reader of a three-dimensional identifier constituted by a random distribution of heterogeneities rendering the latter difficult or impossible to reproduce and attached to an object or a living being based upon Claims 1 to 6, characterized by the fact that the identifier (1) (9) (10) (11) and/or two-dimensional image (2) and/or similar image (3) presenting a particular marking or identification to facilitate the visual comparison(s).

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